

IN THE CLAIMS

1. (Currently Amended) An oscilloscope apparatus, comprising:
a display for displaying a plurality of ~~objects~~ received or processed data signals;
a toolbar comprising a plurality of choices displayed on said display; and
a user interface for selecting ~~an object~~ one of said displayed data signals, said display further displaying only the most common ~~choices~~ items of said toolbar ~~corresponding~~ that apply to the selected ~~object~~ data signal determined by the characteristics of the selected data signal, the selected ~~object~~ data signal being defined as the data source for the ~~various features~~ items of the toolbar.

2. (Currently Amended) The oscilloscope apparatus according to claim 1, wherein the ~~object~~ data signal is a waveform.

3. (Currently Amended) The oscilloscope apparatus according to claim 1, wherein the ~~object~~ data signal is a measurement.

4. (Currently Amended) The oscilloscope apparatus according to claim 1, wherein the ~~object~~ data signal is a cursor value.

5. (Currently Amended) The oscilloscope apparatus according to claim 4, wherein ~~the function~~ an item is change types.

6. (Currently Amended) The oscilloscope apparatus according to claim 4, wherein ~~the function~~ an item is turn off.

7. (Currently Amended) The oscilloscope apparatus according to claim 1, wherein the ~~object~~ data signal is a parameter.

8. (Currently Amended) The oscilloscope apparatus according to claim 7, wherein ~~the function~~ an item is trend.

9. (Currently Amended) The oscilloscope apparatus according to claim 7, wherein ~~the function~~ an item is set up.

10. (Currently Amended) The oscilloscope apparatus according to claim 7, wherein ~~the function~~ an item is histogram.

11. (Currently Amended) The oscilloscope apparatus according to claim 1, wherein the ~~object~~ data signal is a channel.

12. (Currently Amended) The oscilloscope apparatus according to claim 11, wherein ~~the function~~ an item is setup channel.

13. (Currently Amended) The oscilloscope apparatus according to claim 11, wherein ~~the function~~ an item is define zoom.

14. (Currently Amended) The oscilloscope apparatus according to claim 11, wherein ~~the function~~ an item is define math trace.

15. (Currently Amended) The oscilloscope apparatus according to claim 11, wherein ~~the function~~ an item is define measurements.

16. (Currently Amended) The oscilloscope apparatus according to claim 1, wherein the ~~object~~ data signal is a trace.

17. (Currently Amended) The oscilloscope apparatus according to claim 1, wherein the ~~object~~ data signal is a grid.

18. (Currently Amended) An oscilloscope apparatus, comprising:
a display for displaying a plurality of ~~objects~~ received or processed data signals;
a toolbar comprising a plurality of choices displayed on said display;
a user interface for selecting ~~an object~~ one of said displayed data signals displayed on said display; and

a pop-up context sensitive toolbar displayed on said display, said context sensitive toolbar displaying only the most common ~~choices~~ items of said toolbar ~~corresponding that apply~~ to said selected ~~object~~ data signal determined by the characteristics of the selected data signal, the selected ~~object~~ data signal being defined as the data source for the ~~various features~~ items of the toolbar.

19. (Currently Amended) The apparatus of claim 18, wherein said ~~functions~~ items displayed on said context sensitive toolbar are predetermined.

20. (Currently Amended) The apparatus of claim 18, wherein said ~~functions~~ items displayed on said context sensitive toolbar are determined based upon prior use of a particular ~~function~~ item in conjunction with said selected ~~object~~ data signal.

21. (Currently Amended) The apparatus of claim 20, wherein a ~~function~~ said item is displayed on said context sensitive toolbar if it has been previously used with said selected ~~object~~ data signal.

22. (Currently Amended) The apparatus of claim 20, wherein a ~~function~~ said item is removed from said context sensitive toolbar if it has not previously been used with selected ~~object~~ data signal.

23. (Currently Amended) The apparatus of claim 18, wherein said ~~functions~~ items displayed on said context sensitive toolbar are determined based upon one or more values of said selected ~~object~~ data signal.

24. (Currently Amended) A method for viewing a waveform on an oscilloscope, comprising the steps of:

- displaying a plurality of ~~objects~~ received or processed data signals;
- displaying a toolbar comprising a plurality of choices;
- selecting ~~an object~~ one of said data signals displayed on said display; and
- displaying only the most common ~~choices~~ items of said toolbar ~~corresponding~~ that apply to the selected ~~object~~ data signal determined by the characteristics of the selected data signal, the selected ~~object~~ data signal being defined as the data source for the ~~various features~~ items of the toolbar.

25. (Currently Amended) The apparatus of claim 24, wherein said ~~functions~~ items displayed on said context sensitive toolbar are predetermined.

26. (Currently Amended) The apparatus of claim 24, wherein said ~~functions~~ items displayed on said context sensitive toolbar are determined based upon prior use of a particular ~~function~~ item in conjunction with said selected ~~object~~ data signal.

27. (Currently Amended) The apparatus of claim 24, wherein said ~~functions~~ items displayed on said context sensitive toolbar are determined based upon one or more values of said selected ~~object~~ data signal.

28. (Currently Amended) A method for viewing a waveform on an oscilloscope, comprising the steps of:

- displaying a plurality of ~~objects~~ received or processed data signals;
- displaying a toolbar comprising a plurality of choices;
- selecting ~~an object~~ one of said data signals displayed on said display; and
- displaying a pop-up context sensitive toolbar, said context sensitive toolbar displaying only the most common ~~choices~~ items of said toolbar ~~corresponding that apply~~ to said selected ~~object~~ data signal determined by the characteristics of the selected data signal, the selected ~~object~~ data signal being defined as the data source for the ~~various features~~ items of the toolbar.

29. (Currently Amended) An oscilloscope apparatus, comprising:

- an acquisition unit for acquiring a waveform;
- a processor for processing said waveform to obtain a plurality of measurements;
- a renderer for displaying said waveform and a plurality of ~~objects~~ received and processed data signals respectively and showing the plurality of measurements on a display;
- a toolbar comprising a plurality of choices displayed on said display; and
- a user interface for selecting ~~an object~~ one of said data signals displayed on said display, said renderer displaying only the most common ~~choices~~ items of said toolbar ~~corresponding that apply~~ to the selected ~~object~~ data signal determined by the characteristics of the selected data signal, the selected ~~object~~ data signal being defined as the data source for the ~~various features~~ items of the toolbar.